CIVIL TECH LABS

Accredited by NABL as per ISO/ IEC 17025 : 2005

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027

Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

T-2654

To,

Assistant Executive Engineer
Kodigehalli Sub Division,
BBMP.

16th March 2015

Dear Sir,

Sub: Construction of Muslim Samudayabhavana (1st floor) in Jakkur layout in ward no.07, Byatarayanapura, Kodigehalli.
Testing of cubes – Reg.

As requested the 7th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Reports of the above.

Thanking you,

For Civil Tech Labs,

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Quality Manager

CIVIL TECH LABS

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Kodigehalli Sub Division, BBMP
Name of Work	Construction of Muslim Samudayabhavana (1st floor) in Jakkur layout in ward no.07, Byatarayanapura, Kodigehalli.
Name of Agency	Sri. P. Hemanth
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	CC-Work (Roof)	09/03/2015	16/03/2015	7	8.17	340	**15.11**	**15.02**
2					8.15	336	**14.93**	
3					8.16	338	**15.02**	

Note:

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2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

AE-7

The test reports are accepted.

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka, BBMP

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

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Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

T-2654

To,

Assistant Executive Engineer
Kodigehalli Sub Division,
BBMP.

06th March 2015

Dear Sir,

Sub: Construction of Muslim Samudayabhavana (1st floor) in Jakkur layout in ward no.07, Byatarayanapura, Kodigehalli.
Testing of cubes – Reg.

As requested the 7th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Report of the above.

Thanking you,

For Civil Tech Labs,

CIVIL TECH LABS BANGALORE

(KUSHBOO L.)
Quality Manager

AE-7

CIVIL TECH LABS

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Kodigehalli Sub Division, BBMP
Name of Work	Construction of Muslim Samudayabhavana (1st floor) in Jakkur layout in ward no.07, Byatarayanapura, Kodigehalli.
Name of Agency	Sri. P. Hemanth
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	CC-Work (Column & Beam)	27/02/2015	06/03/2015	7	8.18	336	**14.93**	**14.84**
2					8.17	334	**14.84**	
3					8.15	332	**14.76**	

Note:

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3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

A2-7

The test report accepted.

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

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5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027

Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

T-2654

To,

Assistant Executive Engineer
Kodigehalli Sub Division,
BBMP.

02nd March 2015

Dear Sir,

Sub: Testing of Solid Block.

As requested, the required tests were carried out for the Solid Block samples supplied by you, for the work of **'Construction of Muslim Samudayabhavana (1st floor) in Jakkur layout in ward no.07, Byatarayanapura, Kodigehalli.**

Please find the enclosed Test Reports of the above.

Thanking You,
For Civil Tech Labs

Khushboo

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Quality Manager

AE-7

CIVIL TECH LABS
5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

TESTS ON SOLID BLOCKS

Name & Address of the Customer	AEE, Kodigehalli Sub Division, BBMP
Name of Work	Construction of Muslim Samudayabhavana (1st floor) in Jakkur layout in ward no.07, Byatarayanapura, Kodigehalli.
Sample received on	Sri. P. Hemanth
Date of Testing	02/03/2015
Technical Reference	IS: 2185(Part-I)-2005 (Reaffirmed 2010)
No. of samples tested	8
Grade	C (4.0)

1. COMPRESSIVE STRENGTH

Sl. No.	Nominal Dimension (cms)	Compressive strength (N/mm^2)	Minimum Compressive Strength as per IS: 2185(Part-I)-2005 (Reaffirmed 2010)	
			Individual	Avg. of 8 samples
1	40x20x20	4.3	Minimum Compressive Strength of Individual Units	Minimum Average Compressive Strength of Units
2		4.2		
3		4.1	For Grade C (5.0)- 4.0 N/mm^2 For Grade C (4.0)- 3.2 N/mm^2	For Grade C (5.0)- 5.0 N/mm^2 For Grade C (4.0)- 4.0 N/mm^2
4		4.4		
5		4.3		
6		4.1		
7		4.2		
8		4.3		
Average Compressive strength (N/mm^2)		**4.2**		

AE-1

The test report are accepted.

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bang...

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2. WATER ABSORPTION

Sl. No.	Nominal Dimension (cms)	Water Absorption (% by weight)	Average (% by weight)	Requirements as per IS : 2185(Part-I)-2005 (Reaffirmed 2010)
1	40x20x20	7.90	**7.73**	When three samples are tested the average water absorption shall not be more than 10% by mass
2		7.70		
3		7.60		

3. BLOCK DENSITY

Sl. No.	Nominal Dimension (cms)	Block Density (Kg/cum)	Average (Kg/cum)	Requirements as per IS : 2185(Part-I)-2005 (Reaffirmed 2010)
1	40x20x20	1863.5	**1864.2**	The Solid Concrete blocks used as load bearing units shall have average block density not less than 1800Kg/m^3
2		1864.1		
3		1864.9		

Remarks	Satisfies the Requirements.

Note:

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AE-7

The test report is accepted.

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

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Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

T-2654

To,

Assistant Executive Engineer
Kodigehalli Sub Division,
BBMP.

23rd February 2015

Dear Sir,

Sub: Testing of Materials.

As requested, the required tests were carried out for the materials the samples supplied by you, for the work of **'Construction of Muslim Samudayabhavana (1st floor) in Jakkur layout in ward no.07, Byatarayanapura, Kodigehalli.**

Please find the enclosed Test Reports of the above.

Thanking You,
For Civil Tech Labs

Khushboo

CIVIL TECH LABS BANGALORE KTJ

(KHUSHBOO L.)
Quality Manager

AE-7

CIVIL TECH LABS

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON CEMENT

Name & Address of the Customer	AEE, Kodigehalli Sub Division, BBMP
Name of Work	Construction of Muslim Samudayabhavana (1st floor) in Jakkur layout in ward no.07, Byatarayanapura, Kodigehalli.
Name of the Agency	Sri. P. Hemanth
Date of Testing	23/02/2015

Tests	**Test Method As Per IS & Apparatus**		**Results**		**Requirements As Per IS 8112:1989**	**Remarks**
	IS Code	**Method**	**Value**	**Unit**		
Initial Setting Time	**IS-4031 (Part-5) 1988**	VICAT	49	min	Not Less Than 30 Minutes	Satisfies Requirement
Final Setting Time	**IS-4031 (Part-5) 1988**	VICAT	488	min	Not More Than 600 Minutes	Satisfies Requirement
Soundness	**IS-4031 (Part-3) 1988**	LE-CHATELIER	5	mm	Not More Than 10 mm	Satisfies Requirement

Note:

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4.The results are based on the test conducted on samples supplied by the client.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

AE-I

The test report, are accepted.

Verified

Assistant Executive Engineer.
Kodigehalli Sub Division.
Yelahanka Zone, B.B.M.P..

CIVIL TECH LABS
5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
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TEST REPORT

TEST ON FINE AGGREGATES Ref:IS:383/2386

Name & Address of the Customer	AEE, Kodigehalli Sub Division, BBMP
Name of Work	Construction of Muslim Samudayabhavana (1st floor) in Jakkur layout in ward no.07, Byatarayanapura, Kodigehalli.
Name of the Agency	Sri. P. Hemanth
Date of Testing	23/02/2015
Specific Gravity	**2.58**

Sample	IS Sieve designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970				Grading Zone
			ZONE-I	ZONE-II	ZONE-III	ZONE-IV	
River Sand	10	**100**	100	100	100	100	II
	4.75	**98.9**	90-100	90-100	90-100	95-100	
	2.36	**87.4**	60-95	75-100	85-100	95-100	
	1.18	**76.2**	30-70	55-90	75-100	90-100	
	0.6	**49.4**	15-34	35-59	60-79	80-100	
	0.3	**23.5**	5-20	8-30	12-40	15-50	
	0.15	**7.9**	0-10	0-10	0-10	0-15	

Note:

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4. The results are based on the test conducted on samples supplied by the customer.

AE-I

The test reports are accepted

Lab Incharge
Civil Tech labs

CIVIL TECH LABS BANGALORE

Verified

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore

CIVIL TECH LABS
5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
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TEST REPORT

TEST ON COARSE AGGREGATES 20mm ↓ Graded Ref:IS:383/2386

Name & Address of the Customer	AEE, Kodigehalli Sub Division, BBMP
Name of Work	Construction of Muslim Samudayabhavana (1st floor) in Jakkur layout in ward no.07, Byatarayanapura, Kodigehalli.
Name of the Agency	Sri. P. Hemanth
Date of Testing	23/02/2015
Specific Gravity	**2.63**
Water Absorption in %	**0.31**

IS Sieve Designation (mm)	**Sieve Analysis (% Passing IS Sieve)**	**Grading Requirement as per IS:383-1970 (Reaffirmed 2011)**	**Remarks**
40	**100**	100	**Satisfies the requirement**
20	**99.1**	95-100	
10	**43.4**	25-55	
4.75	**8.8**	0-10	

Note:

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2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

AE-7

Test reports are accepted.

Verified

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

CIVIL TECH LABS

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

TESTS ON REINFORCEMENT STEEL BARS 8mm

Name & Address of the Customer	AEE, Kodigehalli Sub Division, BBMP
Name of Work	Construction of Muslim Samudayabhavana (1st floor) in Jakkur layout in ward no.07, Byatarayanapura, Kodigehalli.
Name of the Agency	Sri. P. Hemanth
Date of Testing	23/02/2015

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	8	8	Satisfactory
2	Wt/m Length (Kg/m)	0.397	0.395	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	14.9	14.5	Satisfactory
5	Yield Stress(N/mm²)	427	415	Satisfactory
6	U T S (N/mm²)	534	485	Satisfactory

Note:

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3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the client.

AE-7

Test Report are accepted.

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

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Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON REINFORCEMENT STEEL BARS 10mm

Name & Address of the Customer	AEE, Kodigehalli Sub Division, BBMP
Name of Work	Construction of Muslim Samudayabhavana (1st floor) in Jakkur layout in ward no.07, Byatarayanapura, Kodigehalli.
Name of the Agency	Sri. P. Hemanth
Date of Testing	23/02/2015

Sl.No.	Description	Result	IS 1786-1985 Min. Requirements	Remarks
1	Measured Diameter mm	10	10	Satisfactory
2	Wt/m Length (Kg/m)	0.619	0.617	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	15.2	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	421	415	Satisfactory
6	U T S (N/Sq.mm)	526	485	Satisfactory

Note:

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4. The results are based on the test conducted on samples supplied by the client.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

AE-1

Test Report accepted.

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

CIVIL TECH LABS

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON REINFORCEMENT STEEL BARS 12mm

Name & Address of the Customer	AEE, Kodigehalli Sub Division, BBMP
Name of Work	Construction of Muslim Samudayabhavana (1st floor) in Jakkur layout in ward no.07, Byatarayanapura, Kodigehalli.
Name of the Agency	Sri. P. Hemanth
Date of Test	23/02/2015

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	12	12	Satisfactory
2	Wt/m Length (Kg/m)	0.888	0.888	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	15.5	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	422	415	Satisfactory
6	U T S (N/Sq.mm)	528	485	Satisfactory

Note:

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4. The results are based on the test conducted on samples supplied by the client.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

AE-7

Test Reports are accepted.

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka ... B.B.M.P.,
Bangalore.

CIVIL TECH LABS

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON REINFORCEMENT STEEL BARS 16 mm

Name & Address of the Customer	AEE, Kodigehalli Sub Division, BBMP
Name of Work	Construction of Muslim Samudayabhavana (1st floor) in Jakkur layout in ward no.07, Byatarayanapura, Kodigehalli.
Name of the Agency	Sri. P. Hemanth
Date of Testing	23/02/2015

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	16	16	Satisfactory
2	Wt/m Length (Kg/m)	1.60	1.58	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	15.7	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	424	415	Satisfactory
6	U T S (N/Sq.mm)	530	485	Satisfactory

Note:

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2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

AE-7

Test Reports accepted.

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

CIVIL TECH LABS

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TEST REPORT

REINFORCEMENT STEEL BARS 20 mm

Name & Address of the Customer	AEE, Kodigehalli Sub Division, BBMP
Name of Work	Construction of Muslim Samudayabhavana (1st floor) in Jakkur layout in ward no.07, Byatarayanapura, Kodigehalli.
Sample received on	Sri. P. Hemanth
Date of Testing	23/02/2015

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	20	20	Satisfactory
2	Wt/m Length (Kg/m)	2.47	2.47	Satisfactory
3	Bend & RebendTest	Pass	Should not CrackorFracture	Satisfactory
4	Elongation (%)	15.9	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	427	415	Satisfactory
6	U T S (N/Sq.mm)	534	485	Satisfactory

Note:
1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
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4. The results are based on the test conducted on samples supplied by the customer.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

AE-1

Test Reports are accepted.

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

CIVIL TECH LABS

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
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TEST REPORT

REINFORCEMENT STEEL BARS 25 mm

Name & Address of the Customer	AEE, Kodigehalli Sub Division, BBMP
Name of Work	Construction of Muslim Samudayabhavana (1st floor) in Jakkur layout in ward no.07, Byatarayanapura, Kodigehalli.
Name of the Agency	Sri. P. Hemanth
Date of Testing	23/02/2015

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	25	25	Satisfactory
2	Wt/m Length (Kg/m)	3.86	3.85	Satisfactory
3	Bend & RebendTest	Pass	Should not CrackorFracture	Satisfactory
4	Elongation (%)	16.2	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	428	415	Satisfactory
6	U T S (N/Sq.mm)	535	485	Satisfactory

Note:

1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
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4. The results are based on the test conducted on samples supplied by the customer.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

AE-4

Test report are accepted.

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.